| <br>•• | Claims |  |
|--------|--------|--|
|        |        |  |

| Appl | ication | /Control | No. |
|------|---------|----------|-----|
|------|---------|----------|-----|

10/647,420

Examiner

William J. Royer

Applicant(s)/Patent under Reexamination

COOK ET AL. Art Unit

2852

| √ | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date          |         |              |               |        |          | Claim Date                                       |              |        |               |          |  |                   |               | CI     | aim           | Date   |  |  |        |  |          |          |          |          |          |          |          |          |           |          |
|----------|----------|---------------|---------|--------------|---------------|--------|----------|--|--------------|--------|---------------|----------|--|-------------------|---------------|--------|---------------|--------|--|--|--------|--|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| أثا      |          | Ш             |         | Т            | Ť             | Ť      | Т        | П  | Г            | 1      | <del></del> " |          | <del>                                     </del> |                   | Т             | ヿ゙     | Ť             | Т      | П  | П  |        | <u></u>  |          |          |          |          | ΠÌ       |          |          | 7        | Т         | $\dashv$ |
| Final    | Original | 12/10/04      | 4/25/05 | 5/31/05      |               |        |          |  |              |        | Final         | Original |  |                   |               |        |               |        |  |  |        | Final  | Original |          |          |          |          |          |          |          |           |          |
|          | 1        | =             | =       | <b>√</b>     |               |        | <u> </u> |  |              |        |               | 51       |  |                   |               |        |               |        |  |  |        |  | 101      |          |          |          |          |          |          |          |           |          |
|          | 2        | =             | =       | 0            |               |        |          |  |              |        |               | 52       |  |                   |               |        |               |        |  |  |        |  | 102      |          |          |          |          |          |          |          | $\Box$    |          |
|          | З        | =             | =       | 0            |               |        |          |  |              |        |               | 53       |  |                   |               |        |               |        |  |  |        |  | 103      |          |          |          |          |          |          |          |           |          |
|          | 4        | 11            | =       | 0            |               |        |          |  |              |        |               | 54       |  |                   |               |        |               |        |  |  |        |  | 104      |          |          |          |          |          |          |          |           |          |
|          | 5        | =             | =       | 0            |               | Т      |          |  |              |        |               | 55       |  |                   |               |        |               |        |  |  |        |  | 105      |          |          |          |          |          |          |          |           |          |
|          | 6        | =             | =       | 0            | Т             | Γ      | T        |  |              |        |               | 56       |  |                   |               | Т      |               | Τ      |  |  |        |  | 106      |          |          |          |          |          |          |          | П         | $\Box$   |
|          | 7        | =             | =       | 0            | Т             |        | T        |  |              |        |               | 57       |  |                   |               | Т      |               | Т      | П  |  |        |  | 107      |          |          |          |          |          |          | ヿ        | $\neg$    |          |
|          | 8        | =             | =       | =            |               | T      | 1        |  |              |        |               | 58       | П  |                   |               | T      |               | T      |  |  |        |  | 108      |          |          |          |          |          |          | T        | $\neg$    | $\neg$   |
|          | 9        | =             | =       | =            | $\neg$        | Ī      | T        |  |              |        |               | 59       |  |                   | T             | T      |               | Τ      |  |  |        |  | 109      |          |          |          |          |          |          | 目        | $\neg$    | $\neg$   |
|          | 10       | =             | =       | =            |               | T      | 1        |  | Г            |        |               | 60       |  |                   | $\top$        | T      |               | T      |  |  |        |  | 110      |          |          |          |          |          |          | $\neg$   | $\neg$    |          |
|          | 11       | =             | =       | =            | $\top$        | Т      | 1        |  |              |        |               | 61       | П  |                   | T             | T      | T             | Τ      |  |  |        |  | 111      |          |          |          |          |          |          | T        |           | ヿ        |
|          | 12       | =             | =       | =            |               |        | Т        | I -  |              | 1      |               | 62       |  |                   | $\neg$        | T      |               | Τ      | Г  |  |        |  | 112      |          |          |          |          |          |          | $\neg$   | $\dashv$  | ヿ        |
|          | 13       | =             | =       | =            |               |        |          |  |              |        |               | 63       |  |                   | $\neg$        | $\top$ | $\top$        | T      | Ī  |  |        |  | 113      |          |          |          |          |          |          | ヿ        | $\dashv$  | ヿ        |
|          | 14       | =             | =       | =            | $\top$        |        |          | Γ  | Г            | 1      |               | 64       |  |                   | $\top$        | $\top$ | 1             | T      |  |  |        |  | 114      |          |          |          |          |          |          | $\neg$   | $\neg$    | ヿ        |
|          | 15       | =             | =       | =            | $\neg$        | T      | $\top$   |  |              | 1      |               | 65       |  |                   | $\neg$        | ┪      | $\neg   \neg$ | Τ      |  | Г  |        |  | 115      |          |          |          |          |          |          |          | $\neg$    | ヿ        |
|          | 16       | =             | =       | =            | $\neg$        |        |          |  |              |        |               | 66       |  |                   | T             | T      |               |        |  |  |        |  | 116      |          |          |          |          |          |          |          | $\neg$    | ╗        |
|          | 17       | =             | =       | =            | $\neg \vdash$ | _      | $\top$   | Г  | П            | 1      |               | 67       |  |                   | $\neg \vdash$ | ┪      | $\dashv$      | $\top$ |  |  |        |  | 117      |          |          |          |          |          |          |          | $\exists$ | ╗        |
|          | 18       | =             | =       | =            | $\neg$        | $\top$ | 1        |  |              | 1      |               | 68       |  |                   | $\top$        | $\top$ | $\neg$        | T      |  | Г  |        |  | 118      |          |          |          |          |          |          | $\neg$   | 寸         | ┑        |
|          | 19       | =             | =       | =            |               | T      | 1        | Ť  | Г            |        |               | 69       |  |                   | T             | ┪      | T             | T      | İ  | T  |        |  | 119      |          |          |          |          |          |          |          | 寸         | ᅱ        |
|          | 20       | =             | =       | =            | $\dashv$      | $\top$ | 1        | t  |              | 1      |               | 70       |  | $\Box$            | $\neg$        | 1      | ╅             | $\top$ | Ì  |  |        |  | 120      |          |          |          |          |          |          |          | ヿ         | ᅱ        |
|          | 21       | =             | =       | =            |               | T      | 1        | 1  |              | 1      |               | 71       |  | Ħ                 | ┪             | T      | T             | T      | Ì  |  |        |  | 121      |          |          |          |          |          |          | T        | ヿ         | ┪        |
|          | 22       | =             | =       | =            | 1             | T      | 1        | t  |              | 1      |               | 72       |  | $\Box$            | 十             | 十      | ╅             | $\top$ | Ì  | Г  |        |  | 122      |          |          |          |          |          |          |          | 寸         | ᅱ        |
|          | 23       | $\vdash$      | =       | =            | 十             | +      | 1        | ┢  | ┪            | 1      |               | 73       | $\vdash$   |                   | $\top$        | $\top$ | 十             | $\top$ |  | $\vdash$   |        |  | 123      | _        | Н        |          |          |          |          | $\neg$   | ヿ         | ┪        |
|          | 24       | -             | =       | =            | $\top$        | 十      | 1        |  |              | 1      |               | 74       |  | $\vdash$          | 7             | +      | _             | +      |  |  |        |  | 124      |          |          |          | _        |          |          | $\neg$   | 十         | ᅱ        |
|          | 25       | ┱             | ╗       | <b>V</b>     | 十             | ╅      | $\top$   | $\vdash$   |              |        |               | 75       | T  | $\Box$            | $\dashv$      | 十      | 十             | ╁      |  | _  |        |  | 125      |          |          |          | _        |          |          | ヿ        | $\dashv$  | ヿ        |
| $\vdash$ | 26       | -             | =       | 0            | +-            | +-     | +        | t  | †            |        |               | 76       | <b>†</b>   | $\vdash$          | _             | +      | ┪             | +      | T  | $\vdash$   |        |  | 126      |          | Н        |          |          | _        | _        | $\dashv$ | 寸         | $\dashv$ |
|          | 27       | $\rightarrow$ | ≣       | न            | 十             | T      | †        | T  |              | 1      |               | 77       |  |                   | $\top$        | +      |               | +-     | 1  | $\vdash$   |        |  | 127      |          | Н        | -        |          |          |          |          | ヿ         | $\dashv$ |
|          | 28       | = 1           | =       | 히            | $\top$        | 1      | 1        | t  | i –          |        |               | 78       |  |                   | 十             | $\top$ | +             | 1      | 1  | _  |        |  | 128      |          | П        |          | _        |          |          | $\neg$   |           | ヿ        |
|          | 29       | =1            | =       | 0            | +             | T      | 1        | <u> </u>   | T            | 1      |               | 79       |  |                   | $\top$        | $\top$ |               | $\top$ | +  | -  |        |  | 129      |          |          |          |          |          |          | T        | ヿ         | ヿ        |
|          | 30       | -             | =       | <del> </del> | _             | $\top$ | †        | T  | T            |        | <b></b>       | 80       | $\vdash$   | $\vdash$          | 十             | +      |               | +-     | <del>                                     </del> | $\vdash$   |        |  | 130      |          |          |          |          |          |          |          | $\neg$    | ᅱ        |
|          | 31       |               | =       | 0            | $\top$        | ✝      | 十一       | <del> </del>                                     | Т            |        |               | 81       | $\vdash$   |                   | $\top$        | 十      | $\top$        | $\top$ | +  | $\vdash$   |        |  | 131      |          |          |          |          | _        | _        | $\neg$   | 寸         | ᅱ        |
|          | 32       | $\rightarrow$ | =       | =            | $\top$        | $\top$ | +        |  | H            |        |               | 82       |  |                   | 十             | $\top$ | ╅             | ╁      | T  | <del>                                     </del> |        |  | 132      |          | Н        |          |          | $\vdash$ | -        | $\dashv$ | 十         | $\dashv$ |
|          | 33       | ${}$          | =       | =            | $\top$        | +      | ╁        |  | H            |        |               | 83       | <del>                                     </del> | $\vdash$          | $\dashv$      | +      |               | +      |  | $\vdash$   |        |  | 133      |          | Н        |          |          |          |          | $\neg$   | 一         | 一.       |
| $\vdash$ | 34       | $\rightarrow$ | _       | =            | $\top$        | $\top$ | +        | ┢  | t            | 1      | $\vdash$      | 84       | $\vdash$   | $\vdash$          | +             | 十      | +             | +      | T  | $\vdash$   |        | <u> </u>   | 134      |          | Н        | _        | $\vdash$ | Н        | Н        | $\dashv$ | +         | ヿ゙       |
| $\Box$   | 35       | -             | =       | =            | $\top$        | $\top$ | $\top$   | t  | Г            |        | $\vdash$      | 85       | П  | $\vdash \vdash$   | 十             | 十      | +             | +      | $t^-$  | <del>                                     </del> |        |  | 135      | $\Box$   | Н        |          |          | Н        | Н        | $\dashv$ | $\dashv$  | ᅱ        |
|          | 36       |               | ╗       | =            | +             | +-     | $\top$   | $\vdash$   | Т            |        |               | 86       | Т  | $\vdash$          | $\dashv$      | $\top$ | $\top$        | $\top$ | $\vdash$   | $\vdash$   |        | <del>                                     </del> | 136      | $\vdash$ | Н        | $\vdash$ | Н        | $\vdash$ | Н        | $\dashv$ | $\dashv$  | 一        |
|          | 37       | $\vdash$      | =       | =            | $\top$        | T      | T        | t  | T            |        | <b> </b>      | 87       |  | $\vdash$          | $\dashv$      | $\top$ | $\dashv$      | +      | T  | <del>                                     </del> |        |  | 137      |          | Н        |          | Н        | _        | $\vdash$ | -        | $\dashv$  | $\dashv$ |
|          | 38       |               | =       | =            | +             | $\top$ | +        | t  | $\vdash$     |        | $\vdash$      | 88       | $\vdash$   | $\vdash$          | $\top$        | +      | +             | $\top$ | T  | $\vdash$   |        |  | 138      |          | Н        |          |          |          | Н        | $\dashv$ | $\dashv$  | $\dashv$ |
| $\Box$   | 39       | -             | =       | =            | $\top$        | $\top$ | $\top$   | t  | H            |        |               | 89       | $\vdash$   | $\vdash \uparrow$ | 十             | 十      | +             | $\top$ | T  | <del>                                     </del> |        |  | 139      | $\vdash$ | Н        |          | Н        | П        | Н        | $\dashv$ | $\dashv$  | $\dashv$ |
|          | 40       |               | ╗       | =            | +             | $\top$ | $\top$   | <del>                                     </del> | T            | 1      | $\vdash$      | 90       | $\vdash$   | $\vdash$          | $\dashv$      | 十      | 十             | $\top$ | T  | Г  |        |  | 140      |          | П        |          |          |          | Н        | $\vdash$ | 寸         | ᅱ        |
|          | 41       | =             | =       | =            | +             | +      | T        | 1  | T            |        |               | 91       | 1  | $\vdash$          | $\dashv$      | $\top$ | +             | $\top$ | T  | Н  |        | <b></b>  | 141      | $\vdash$ | Н        |          |          | $\vdash$ | $\vdash$ | -        | $\dashv$  | ᅱ        |
|          | 42       | $\rightarrow$ | =       | =            | +             | $\top$ | $\top$   | $\vdash$   | $\vdash$     |        |               | 92       | $\vdash$   | $\vdash$          | +             | $\top$ | +             | $\top$ | $t^-$  | $\vdash$   |        |  | 142      | $\vdash$ | Н        |          |          | $\vdash$ | Н        | $\dashv$ | $\dashv$  | $\dashv$ |
|          | 43       | -             | =       | =            | +             | +      | +        | T  | t            | 1      | <b></b>       | 93       | $\vdash$   | $\vdash$          | +             | +      | +             | +      | T  | Т  |        | <del>                                     </del> | 143      |          | Н        | $\vdash$ | $\vdash$ | Н        | $\vdash$ | -        | -         | $\dashv$ |
| $\vdash$ | 44       | $\rightarrow$ | =       | =            | +             | +      | +        | $t^{-}$  | H            |        | $\vdash$      | 94       | $\vdash$   | $\vdash \vdash$   | +             | 十      | +             | +      | $\dagger$  | H  |        |  | 144      |          | H        | -        | H        | $\vdash$ | Н        | -        | $\dashv$  | ᅱ        |
| $\vdash$ | 45       | -             | ₹       | <del>-</del> | +             | +      | +        | $\vdash$   | $\vdash$     |        | $\vdash$      | 95       | $\vdash$   | $\vdash$          | +             | +      | +             | +      | ╁╌   | $\vdash$   |        |  | 145      | $\vdash$ | Н        |          | -        | $\vdash$ | Н        |          | -         | $\dashv$ |
| $\vdash$ | 46       | $\rightarrow$ | =       | <del>ो</del> | +             | +      | +        | $\vdash$   | $\vdash$     |        | <del></del>   | 96       | $\vdash$   | $\vdash \vdash$   | +             | +      | +             | +      | +-   | $\vdash$   |        |  | 146      | $\vdash$ | Н        | -        |          | -        | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash$ | 47       | _             | =       | 히            | +             | +      | +        | $\vdash$   | $\vdash$     | liiii  | $\vdash$      | 97       | $\vdash$   | $\vdash$          | +             | +      | +             | +      | ╁  | $\vdash$   |        |  | 147      | $\vdash$ | Н        | -        | $\vdash$ | -        | $\vdash$ | $\dashv$ | $\dashv$  | ᅱ        |
|          | 48       |               | ╗       | 0            | +             | +-     | +        | <del> </del>                                     | <del> </del> | liiii  | <del></del>   | 98       | $\vdash$   | $\vdash$          | +             | +      | +             | +      | +  | $\vdash$   |        | <u> </u>   | 148      | -        | Н        | $\vdash$ | $\vdash$ | -        | $\vdash$ | -        | $\dashv$  | $\dashv$ |
| $\vdash$ | 49       | _             | =       | 히            | +             | +      | +-       | $\vdash$   | $\vdash$     | l      | <del> </del>  | 99       | -  | $\vdash$          | -+-           | +      | +             | +-     | ╁  | ├-   |        | <u> </u>   | 149      | $\vdash$ | Н        | -        | -        | $\vdash$ | $\vdash$ | -        | $\dashv$  | $\dashv$ |
| <b>-</b> | 50       | $\rightarrow$ | ╗       | 히            | +             | +      | +        | $\vdash$   | $\vdash$     | liiii  | $\vdash$      | 100      | $\vdash$   | $\vdash$          | +             | +      | +             | +      | +  | ├-   |        | <del> </del>                                     | 150      | $\vdash$ | $\vdash$ |          | —        | Н        | $\vdash$ | -        | $\dashv$  | $\dashv$ |
| لــــا   | JU       | بت            | -       | <u> </u>     | _1_           |        |          | <u> </u>   |              | J::::: |               | LIVU     | L  |                   | 1             |        |               |        | 1  |  | J::::: |  | LIOU     | L        |          |          |          |          |          |          |           | . 1      |